

**St. Louis Area Earthquake Hazards Mapping Project**  
**Meetings – Decisions & Actions DRAFT**  
**Wednesday, February 2 & Friday, February 4, 2005**  
**St. Louis, Mo.**

**In Attendance at meetings on February 2 and/or February 4, 2005**

Bob Bauer; ISGS, Champaign  
Bob Berri; St. Louis  
Brian Blake; CUSEC, Memphis  
Chris Cramer; USGS, Memphis  
David Crossley; SLU, St. Louis  
Joachim Dorsch; StL Comm College; St. Louis  
Sue Evers; FEMA Region VII, Kansas City  
Tom Fennessey; MoDOT, Jefferson City  
Carol Finn; USGS-MCMC, Rolla  
Mimi Garstang; MGS, Rolla  
Joan Gomberg; USGS, Memphis  
Susan Green; MSSC, Jefferson City  
Greg Hempen; USACE, St. Louis  
Bob Hermann; SLU, St. Louis  
Norm Hester; CUSEC-SG, Bloomington, Ind.  
Dave Hoffman; UMR, Rolla  
Kevin James; UMR & MGS, Rolla  
John Kiefer; Kentucky Geologic Survey, Lexington

Martha Kopper; EWGCC, St. Louis  
Rick Kottemann; Laclede Gas, St. Louis  
Gary Krizanich; USGS-MCMC, Rolla  
Kevin McLain; MoDOT, Jefferson City  
Tom Mesko; UMR & MGS, Rolla  
Jim Palmer; MGS, Rolla  
Dave Rogers; UMR, Rolla  
Buddy Schweig; USGS, Memphis  
Phyllis Steckel; for USGS, Washington, Mo.  
Susie Stonner; SEMA, Jefferson City  
Steve Sturgess; MGS, Rolla  
Rita Swearingen; ICC, St. Charles  
Pete Telthorst; FM Global, St. Louis  
Patrick Walsh; IPSI, St. Louis  
Gayla Weber; SEMA, Jefferson City  
Jerry Wessel; MABOI & City of StL Bldg Dept  
Jim Wilkinson; CUSEC, Memphis  
Dave Williams; KGS, Henderson

**Decisions & Actions**

- **Decision:** The St. Louis Area Earthquake Hazards Mapping Project (SLAEHMP) will proceed by addressing data needs on three levels of detail – the “three-pronged approach.”
- **Decision:** Project efforts will give high priority to *four focus quadrangles*, which include: 1) significant areas of existing, new, and proposed equity and developed assets and 2) a varied, yet representative, sample of several different geologic settings within the overall St. Louis metro area.
- **Decision:** The four focus quadrangles are  
    Wentzville, Mo.; Granite City, Ill. & Mo.; and  
    Columbia Bottom, Ill. & Mo.; Monks Mound, Ill.
- **Decision:** Project efforts will include collecting new field data for the four focus quadrangles. New data to be collected may include shear wave testing, drilling, mapping or more detailed mapping, and other field surveys that will result in more detailed information to be available for these four focus quadrangles than for the other 25 quadrangles within the original, 29-quadrangle project area.
- **Decision:** Project efforts will include accepting new and existing data within the *original, 29-quadrangle project area*. These include the following topographic quadrangle maps.  
    Grafton, Ill. & Mo. Clayton, Mo.  
    Elsah, Ill. & Mo. Granite City, Ill. & Mo.  
    Alton, Ill. & Mo. Monks Mound, Ill.  
    Bethalto, Ill. Collinsville, Ill.  
    Wentzville, Mo. Manchester, Mo.  
    O’Fallon, Mo. Kirkwood, Mo.  
    Kampville, Mo. Webster Groves, Mo. & Ill.  
    St. Charles, Mo. Cahokia, Ill. & Mo.  
    Florissant, Mo. French Village, Ill.  
    Columbia Bottom, Ill. & Mo. O’Fallon, Ill.  
    Wood River, Ill. & Mo. House Springs, Mo.  
    Edwardsville, Ill. Maxville, Mo.  
    Weldon Spring, Mo. Oakville, Mo. & Ill.  
    Chesterfield, Mo. Columbia, Ill.  
    Creve Coeur, Mo.

- **Decision:** Project efforts will include accepting existing data and information that may be relevant to this project and that are located within *the St. Louis metropolitan region*. For this project, the St. Louis metropolitan region includes the following five counties.
 

St. Charles County, Mo.	Madison County, Ill.
St. Louis County, Mo.	St. Clair County, Ill
Jefferson County, Mo.	
- **Action:** **Bob Bauer** and **Jim Palmer** will send informational letters of agreement to AmerenUE, Laclede Gas, St. Louis Metropolitan Sewer District (MSD), MoDOT, IDOT, Metro (St. Louis rapid transit system), water districts, consulting firms, and any other individual or organization that may have data or information relevant to this project. This will document and clarify the agreements between the project and those organizations in the event of any change in personnel. Deadline: end of February 2005; report to **Buddy Schweig**.
- **Action:** **Dave Rogers** will verify that the COSMOS format is ready to start accepting data (that all fields have been defined and the architecture is ready to accept data). Deadline: end of February 2005; report to **Buddy Schweig**.
- **Action:** **Buddy Schweig** will develop a project timeline that includes milestones for entering existing data and new data to be collected in the spring of 2005, a milestone of the completion of the COSMOS database preparation, and a decision-point milestone to decide if UMR will serve as a COSMOS portal. (The USGS Mid-Continent Mapping Center (MCMC) in Rolla has Arc-IMS and could serve as a “back-up portal” for UMR.) The data entry will result in a preliminary database and maps available by the fall of 2005 (preferably) or the end of 2005. The timeline will also include a milestone of May 1, 2005, which is when Dave Rogers should find out if his affiliation with UMR will continue past May 2006. Deadline for timeline: end of February 2005, which includes a report to the Data Committee\* and the COSMOS & Data Management Committee\*.
- **Action:** **Norm Hester** will meet with John Hill and get an update on the status of Indiana Geological Survey’s role in the Evansville Area Earthquake Hazards Mapping Project.

\*\*\*\*\*

The purpose of the meeting was to bring all groups involved to an understanding of what would be required to build a COSMOS-style database for use in archiving and dissemination subsurface data being collected in support of urban seismic hazard mapping projects underway in the Central US. This was achieved and all groups agreed to participate in this effort; these included the USGS, Dave Rogers from the University of Missouri at Rolla, and the State Geological Surveys of IL, MO, KY, and IN (John Hill was not present, but Norm Hester spoke on his behalf). Current NEHRP projects to collect and archive shear-wave and geotechnical data being conducted by CUSEC and Jim Palmer also stated their commitments to this effort as part of these projects.

Joan Gomberg  
United States Geological Survey  
3876 Central Ave Ste 2  
Memphis TN 38152-3050  
901-678-4858  
901-678-4897 (FAX)